

CLAIMS:

1. A filter arrangement which comprises a substrate (1) on which are provided a bandpass filter and a notch filter, which filters are coupled to one another.
2. A filter arrangement as claimed in claim 1, characterized in that the notch filter
5 is connected between the input of the bandpass filter and ground or between the output of the bandpass filter and ground.
3. A filter arrangement as claimed in claim 1, characterized in that the bandpass filter and the notch filter are thin-film filters.
- 10 4. A filter arrangement as claimed in claim 1, characterized in that the bandpass filter comprises a filter arrangement of resonators.
5. A filter arrangement as claimed in claim 3, characterized in that the filter
15 arrangement comprises bulk acoustic wave resonators, surface acoustic wave resonators, or ceramic electromagnetic resonators.
6. A filter arrangement as claimed in claim 4, characterized in that a bulk
20 acoustic wave resonator comprises a resonator unit and a reflection element (2) which is arranged between the substrate (1) and the resonator unit.
7. A filter arrangement as claimed in claim 1, characterized in that the notch filter comprises a capacitor and an inductance.
- 25 8. A method of manufacturing a filter arrangement, which comprises a substrate (1) and provided thereon a bandpass filter of bulk acoustic wave resonators and a notch filter, by which method

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- a second electrode (5), a piezoelectric layer (4), and a first electrode (3) are provided on a carrier layer and are structured such that at least one resonator unit, a capacitor, and an inductance are created,
- a reflection element (2) is deposited on those portions of the first electrode (3) which belong to the resonator unit, and
- a substrate (1) is fastened on the entire assembly, and the carrier layer is removed.

9. A mobile telephone appliance provided with a filter arrangement which comprises a substrate (1) and provided thereon a bandpass filter and a notch filter, said filters being coupled to one another.

10. A receiver provided with a filter arrangement which comprises a substrate (1) and provided thereon a bandpass filter and a notch filter, said filters being coupled to one another.

11. A transmitter provided with a filter arrangement which comprises a substrate (1) and provided thereon a bandpass filter and a notch filter, said filters being coupled to one another.

12. A wireless data transfer system provided with a filter arrangement which comprises a substrate (1) and provided thereon a bandpass filter and a notch filter, said filters being coupled to one another.